BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATRAYANAPURA DIVISION

KODIGEHALLI SUB DIVISOIN

Name of the Work : **Improvements to roads and drains of Maruthinagara in ward no. 8 kodigehalli**

Estimated Cost : **50.00 Lakhs**

Head of Account : **P-3727 SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane**

Job Code : **008-20-000003**

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATRAYANAPURA DIVISION

Name of the work: **Improvements to roads and drains of Maruthinagara in ward no. 8 kodigehalli**

			Estimate Cost: Rs.					5000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 (Page No. 143, Item No. 19.2, PWDSR 2018-19)								
	RCC drain	Cum				av.			
	Maruthinagara main road	Cum	2	213.40	1.10	0.75	352.11		
		Cum					352.11	189.74	66809.00
	Basic Rate	179.00							
	Area Weightage @ 6%	10.74							
	Total	189.74							
2	KSRB 2.8: Providing and filling in foundation with granite / trap broken metal 100mm, and downsize and with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all leaed and lift.,, complete as per specfications (Page No. 7, Item No. 2.15 PWDSR 2018-19)								
	RCC drain								
	Maruthinagara main road	Cum	2	213.40	1.10	0.15	70.42		
		Cum					70.42	2574.74	181313.00
	Basic Rate	2429.00							
	Area Weightage @ 6%	145.74							
	Total	2574.74							
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs using 40mm and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No. 13, Item No. 4.3, PWDSR 2018-19)								
	RCC drain								
	Maruthinagara main road	Cum	2	213.40	1.10	0.15	70.42		
		Cum					70.42	5408.12	380840.00
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	5408.12							
4	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No.15, Item No. 4.31, PWD SR 2018-19)								
	Maruthinagara main road	Sqm	8	213.40		0.900	1536.48		
	Total						1536.48	379.48	583063.00
	Basic Rate	358.00							
	Area Weightage @ 6%	21.48							
	Total	379.48							
5	KSRRB M2200- TMT/MS Bar Reinforcement KSRRB M2200-6. Supplying, fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 - TMT Bars Fe 500								
	Along the drain, 10mm dia bar								
2	Maruthinagara main road	kg	16	213.20	@	0.62	4229.88		

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	oss the drain, 10mm dia bar						0.00		
	ruthinagara main road	kg	1422	2.40	@	0.62	4231.87		
	Total	kg					8461.75		
	Total	Tonne					8.46	72326.98	611886.00
	Basic Rate	68233.00							
	Area Weightage @ 6%	4093.98							
	Total	72326.98							
	oviding and laying cement concrete using 20mm and down size granite jelly of ready mixed ncrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, ishing with necessary cement mortar, form works and scaffoldings to withstand pumping of ncrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) eady mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and econdary beams. (Page No. 18, Item No. 4.49.1, PWD SR 2018-19)								
	RCC drain								
	ottom portion								
	Maruthinagara main road	cum	2	213.40	0.90	0.15	57.61		
	Side walls								
	Maruthinagara main road	cum	4	213.40	0.15	0.900	115.23		
	Total						172.84	5770.64	997397.00
	Basic Rate	5444.00							
	Area Weightage @ 6%	326.64							
	Total	5770.64							
	Providing and laying in position reinforced cement concrete M20 mix with stone aggregates 20mm and downsize for slab (including steel reinforcement) including centering and shuttering, maching mixed, concrete laid in layers not exceeding 15cm thick well compacted cost of all materials, labour, HOM of machineries, curing complete as per specifications. - 100 mm thick (Approved data rate enclosed)								
	Maruthinagara main road	Sqm	2	213.40	0.90		384.12		
							384.12	2337.0	897688.00
8	Providing and fixing precast solid cement concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete (PWDSR 2018-19, P. 27, I. 5.29.1)								
	Maruthinagara main road	Rm	2	213.40			426.80		
	Sub Total	Rm					426.80		
		No.			/0.45		948.00	477.00	452196.00
	Basic Rate Rs.	450.00							
	Area Weightage @ 6%	27.00							
	Total	477.00							
9	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement shet / plastered surfaces including preparing the surfacwe after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sannd papering including cost of materials, labour complete as per specifications. (PWDSR 2018-19, P. 124, I. 15.80)								
	Maruthinagara main road	Sqm	2	213.40		0.45	192.06		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							198.90	39.22	7801.00
	Basic Rate	37.00					192.06		
	Area Weightage @ 6%	2.22							7533.00
	Total	39.22							
10	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfadces with flat waall paint of approved brand to give even shade after cleaning the surfacew of all dirt, dust and other foreign matter and sand papering including cost of amaterials, labour complete as per specifications (PWDSR 2018-19, P. 124, I. 15.81)						192.06		
	Qty vide item no.	Sqm					198.90		
							198.90	90.10	17921.00
	Basic Rate	85.00					192.06		17305=00
	Area Weightage @ 6%	5.10							
	Total	90.10							
11	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)						299.29		26205=00
	Qty at 85% of item no. 4	Cum	0.85	364.65			309.95		
	Total						309.95	87.56	27138.00
	Basic rate for haulage of materials as per item no.17.4 page 136) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2.00X1.28X10.00	25.60							
	Add loading and unloading Vide item no.17.1 P.no.134	57.00							
		82.60							
	Area Weightage @ 6%	4.96							
	Total	87.56							
12	Sub Total-1						42222235=00		4304404.0
13	Add KRIDL charges at 3% and 1% for Labour cess (of sub total-1)							168889=00	172164.0
	DPR Charges (1-1/2 % Estimate Cost)								50000=00
14	Add GST charges @ 12% of sub total-1							506668=00	516492.0
	project Management & Consultancy Charge (1% of Estimate Cost)								50000=00
15	Miscellaneous & Rounding off							L/S	7240.00
									2208=00
	Total Rs								5000000.00
	Rupees Fifty Lakhs Only								

Rs. Fifty Lakh only

Under P 3727 SC-SP/TSP

Job Code No 008-20-000003

Registered as SE(Y)/TS/01/2019-20 subject to conditions contained in enclosed memo

Dated:

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.
5 **This work has not been taken previously under any other grant.**

Assistant Engineer
Ward no. 8
Kodigehalli

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatrayanapura Division
BBMP

ADMINISTRATIVE APPROVAL

Accorded For Rs. 50.00 Fifty lakhes only

Head of A/c P3727, SC-SP/TSP

Adv. Ref. No. 72/19-20 Date 24-10-19

AE 24/10

EE(DTP) 24/10